TITLE 24 COMPLIANCE

UL® LISTED

OCCUPANCY SENSING

IntelliDAPT

PROJECT INFORMATION

Project Name

Catalog No.   Date

The *OMNI*DTBP1277 line voltage ceiling sensor combines ultrasonic (US) and passive infrared (PIR) technologies to turn lighting on and off based on occupancy. This dual technology provides accurate turn-ons while virtually eliminating false-offs.
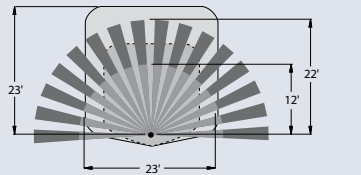
This sensor features Hubbell Controls' patented IntelliDAPT® technology, which makes all the sensor adjustments automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with *IntelliDAPT* technology provide a maintenance-free install-and-forget operation.

OMNIDT2000BP1277

PRODUCT FEATURES

- *IntelliDAPT* self-adaptive technology - no manual adjustment required
- All-digital dual technology (ultrasonic [US] and passive infrared [PIR]) sensor
- Non-volatile memory for sensor settings
- 500–2,000 square-foot coverage area (depending on model)
- Self-contained power supply
- Universal voltage (100-277VAC; 50/60 Hz)
- UL and cUL listed
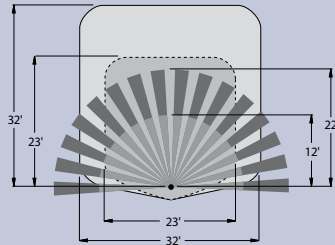- California Title 24 compliant
- Five-year warranty
- 120-277 Vac

4.5"

PIR Sensor

Ultrasonic Sensor
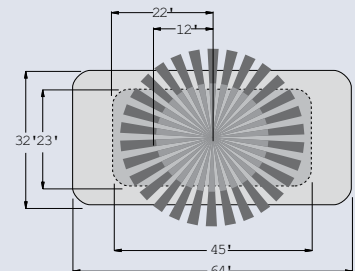
Power Supply

3.4"

1.95"

2.5"

HUBBELL® Control Solutions

| US Minor Motion | IR Minor Motion |
| US Major Motion | IR Major Motion |

DT 500 Range

| US Minor Motion | IR Minor Motion |
| US Major Motion | IR Major Motion |

DT 1000 Range

| US Minor Motion | IR Minor Motion |
| US Major Motion | IR Major Motion |

DT 2000 Range

General Specifications

IntelliDAPT® Technology	Auto reset from test setting
	Self-adjusting timer
	Self-adjusting ultrasonic and passive infrared thresholds
	Automatic false-on/false-off corrections
LED lamp	Red—infrared motion
	Green—ultrasonic motion
Timer timeout	Automatic mode: 8–30 min. (self-adjusts based on occupancy)
	Test mode: 8 seconds (for an easy check at installation)
Ultrasonic (US) output	OMNIDT500: 40kHz output
	OMNIDT1000 and OMNIDT2000: 32kHz
Passive infrared (PIR)	Dual-element pyrometer and 12-element cylindrical rugged lens
Coverage	500–2,000 square feet (depending on model)
Power requirements Single phase only	100-277VAC; 50/60Hz
Output	24 VDC active high-logic control signal with short circuit protection
Relay Contact Rating	20A: 120VAC Incandescent
	20A: 120 or 277VAC Magnetic Ballast
	16A: 120 or 277VAC Electronic Ballast
	1HP: 120VAC Motor Load
	3/4HP: 277VAC Motor Load
Operating environment	Indoor use only
	Operating temperature: 32° to 104°F (0° to 40°C)
	Relative humidity (non-condensing): 0% to 95%
Construction	Casing—rugged, high-impact, injection-molded plastic KJB ABS
	Cycolac (UL-945VA) flame class rating, UV inhibitors
	Color-coded leads are 6" long
Size and weight	Size: 4.5" diameter, 3.4" height (114 mm diameter, 86.4mm height)
	Weight: 8.2 oz (232g)
Color	Off-white
Mounting	Mounting using a 3 inch mud ring attached to 4 inch square electrical box
	Recommended MAX mounting height: 12ft.
Certifications	UL and cUL listed
Warranty	Five years

Ordering Information

MODEL	
OMNIDT500BP1277	Line Voltage Ultrasonic and PIR Ceiling Sensor 500 Sq Ft coverage
OMNIDT1000BP1277	Line Voltage Ultrasonic and PIR Ceiling Sensor 1000 Sq Ft coverage
OMNIDT2000BP1277	Line Voltage Ultrasonic and PIR Ceiling Sensor 2000 Sq Ft coverage

 HUBBELL
Control Solutions